

AMENDMENTS TO THE SPECIFICATION

IN THE SPECIFICATION:

Please replace the paragraph beginning on page 1, line 23 with the following rewritten paragraph.

Meanwhile, in the case that the browser having the above-said function is applied to a TV, when certain contents related to A/V streams are navigated via the browser, there occurs a problem that the contents requested by the user do not exist in a local memory, or the contents having no relation with the currently displayed A/V streams are displayed. The problem ~~occurred~~ occurring when the browser is applied to the TV will now be described in detail with reference to the accompanying drawings.

Please replace the paragraph beginning on page 2, line 14 with the following rewritten paragraph.

~~On the contrary,~~ Figure 1B is an image of A/V streams and TV data contents not being consistent with each other, when a navigation is performed using the forward/backward function of a browser in a digital television having a browser function according to the conventional art. If the forward/backward function key of the browser is pressed when a 'soccer' program is displayed on the screen, as illustrated therein, the A/V stream relating to the 'soccer' program are displayed as they are, and only the data contents are changed into

the contents relating to the 'Han River', thus simultaneously displaying the A/V streams relating to the 'soccer' game program and the data contents relating to the 'Han River'.

Please replace the paragraph beginning on page 2, line 23 with the following rewritten paragraph.

Generally, since a TV is connected to each independent channel (or network) to ~~thus~~ be connected to the corresponding independent network whenever the channel is changed, and channels, programs and contents are managed in separate groups, the TV to which a conventional browser technique exclusively used for the internet is adapted cannot maintain the relation between the currently displayed A/V streams and the corresponding data contents, ~~and accordingly~~ Accordingly, an image of the data contents and the A/V streams not being consistent with each other ~~is~~ are displayed.

Please replace the paragraph beginning on page 3, line 6 with the following rewritten paragraph.

Consequently, the TV having a ~~the conventional~~ browser function cannot reliably provide ~~can provide a reliable data broadcasting~~ to viewers by displaying A/V streams and ~~inconsistent~~ TV data contents that are consistent with each other.

Please replace the paragraph beginning on page 5, line 25 with the following rewritten paragraph.

Figure 2 is a view illustrating the construction of a data contents processing apparatus according to an embodiment of the present invention; and

Please replace the paragraph beginning on page 6, line 2 with the following rewritten paragraph.

Figure 3 is a flow chart illustrating a data contents processing method according to an embodiment of the present invention.

Please replace the paragraph beginning on page 6, line 7 with the following rewritten paragraph.

Figure 2 is a view illustrating the construction of a data contents processing apparatus according to an embodiment of the present invention, which includes: a transport(TP) inverse multiplexing unit 1 for receiving a bit stream from a tuner(not shown) tuned ~~in~~ to receive a digital television signal and separating audio/video (A/V) signals and data contents for thereby outputting the same; a display unit 5 for displaying the A/V signals outputted from the TP inverse multiplexing unit 1; a data receiving unit 2 for storing the data contents; a database constructing unit 4 for constructing a database as an integrated information generated by connecting the channel/program

identifier information from the bit stream inputted from the TP inverse multiplexing unit 1 with the data contents stored in the data receiving unit 2; a browser unit 3 for receiving the A/V stream outputted from the TP inverse multiplexing unit 1 and the data contents outputted from the database constructing unit 4 and displaying the previously navigated A/V stream and data contents to the display unit 5 using the forward/backward function according to a predetermined control signal; an A/V data interface control unit 6 for controlling the browser unit 3 and the TP inverse multiplexing unit 1 so that the data contents to be currently displayed from the integrated information of the database constructed in the database constructing unit 4 are consistent with the currently displayed A/V stream; and a user input unit 7 for controlling the TP inverse multiplexing unit 1 and the A/V data interface control unit in order to convert a channel or control the forward/backward function of the browser.

Please replace the paragraph beginning on page 7, line 8 with the following rewritten paragraph.

First, when a digital television is operated and thus a bit stream is inputted into the TP inverse multiplexing unit 1 in ST1, the TP inverse multiplexing ~~unit 1~~ unit 1 separates an A/V stream and data contents from the bit stream for ~~thereby~~ outputting the same according to the control of a user

input unit 7 and the A/V data interface control unit 6 in ST2. At this time, the A/V stream is displayed after passing through a decoding procedure in the display unit 5, and the data contents separated from the TP inverse multiplexing unit 1 are stored in the data receiving unit 2.

Please replace the paragraph beginning on page 7, line 16 with the following rewritten paragraph.

Meanwhile, the database constructing unit 4 receives channel/program identifier information ~~outputted~~ from the TP inverse multiplexing unit 1 ~~receiving the bit stream~~ and receives the data contents stored in the data receiving unit 2, generates an integrated information by connecting them with each other, and constructs a database using the integrated information in ST3. That is, the database constructing unit 4 generates a data structure so that the data contents are connected with the corresponding program for management.

Please replace the paragraph beginning on page 7, line 26 with the following rewritten paragraph.

The above data structure is a table format formed when the database constructing unit 4 receives data contents outputted from the data receiving unit 2 and the data contents ID, program ID corresponding to the data contents, and channel ID corresponding to the program are connected with one another. In another case, the data structure is a tree format in which a

plurality of programs included in one channel are connected to the channel and a plurality of data contents included in each program are connected to the program.

Please replace the paragraph beginning on page 8, line 10 with the following rewritten paragraph.

At this time, when the user adjusts a channel upwardly/downwardly by controlling the TP inverse multiplexing unit 1 through the user input unit 7, the TV program corresponding to the channel, and at the same time judges if the browser unit 3 is in an operable state in ST5. If the browser is in the OFF state, the A/V stream of the corresponding channel selected by the user is displayed in ST7.

Please replace the paragraph beginning on page 8, line 18 with the following rewritten paragraph.

At this time, when the forward/backward function of the browser unit 3 is selected by adjusting the browser unit 3, it is judged whether or not the data contents corresponding to the current A/V stream are stored in a local storage unit of the browser 3 in ST10. If stored, the A/V stream and the corresponding data contents are displayed in ST11. If the data contents corresponding to the current A/V stream are not stored in the local storage unit of the browser, the TP inverse multiplexing unit 1 is controlled in ST12.

Please replace the paragraph beginning on page X, line Y with the following rewritten paragraph.

Next, it is judged whether or not the TP inverse multiplexing unit 4 can receive the data contents in ST13. If the data contents are receivable, the browser 3 is controlled in ST14, and the current A/V stream and the corresponding data contents are displayed in ST15. If the data contents are not receivable, the message that the A/V stream cannot be displayed, or the message that the browser cannot be controlled by the forward/backward function thereof is displayed in ST16.

Please replace the paragraph beginning on page 9, line 7 with the following rewritten paragraph.

The A/V data interface control unit 6 checks whether or not the data contents to be currently displayed are consistent with the A/V stream. If not consistent, the TP inverse multiplexing unit 1 and the browser unit 3 are adjusted. In other words, when the user converts a channel by means of a channel up/down key in the state that the contents are displayed, the above display is controlled so that the currently displayed contents are shut down from the screen, and the browser unit 3 is controlled so that it receives the contents connected to the program ID of the converted channel from the database constructing unit 4 for outputting the same. For example, when the user converts the channel into a channel broadcasting a 'soccer' game by

means of the channel up/down key in the state that the data contents related to the 'Han River', the A/V data interface control unit 6 controls the browser 3 to receive the data contents related to the 'soccer' game from the database constructing unit 4, and controls the display unit 5 to display the A/V stream and the data contents at the same time.

Please replace the paragraph beginning on page 11, line 10 with the following rewritten paragraph.

In addition, when the user wants to display the contents that have disappeared from the local storage unit of the browser, the current channel is automatically converted to a channel transmitting data to be displayed for enabling receiving of the contents. Therefore, the conventional method for using a browser in the internet environment can be used as it is.